

62-12207

Pokrovskaya, K. I.  
FORMATION OF SILVER COMPLEXES BY THIATRI-  
CARBOCYANINES CONTAINING VARIOUS SUBSTITU-  
ENTS IN THE POLYMETHINE CHAIN. Pt. 3 of Com-  
plex Compounds of Polymethine Dyes with Silver Ions.  
[1961] 7p.

Order from ATS \$10.25

ATS-14N57R

Trans. of Vsesoyuznyy Nauchno-Issledovatel'skiy  
Kinofotodaniy. Trudy (USSR) 1960, no. 40, p. 86-94.

DESCRIPTORS: \*Complex compounds, \*Silver com-  
pounds, Synthesis, \*Phthlocyanines, \*Dyes, Silver,  
Ions.

(Materials--Photographic, TT, v. 7, no. 3)

- I. Pokrovskaya, K. I.
- II. ATS-14N57R
- III. Title: Complex ...
- IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Office of Technical Services

Structure of Dyed Compounds Formed During the  
Oxidation of Color Couplers, Pyrazolone (5) Derivatives,  
in Air Oxygen, by T. A. Solov'yeva, I. I. Levkoyev,  
18 pp.

RUSSIAN, per, Trudy Vses Nauchno-Issled Kinofoto-  
Instituta, No 40, 1960, pp 95-105.

CIA/FDD XX-1230

NOT RELEASABLE TO FOREIGN NATIONALS

OTA 62-18698

Zci

211, 436

Aug 62

Azomethine Dyes Part 4. Amide-N-Heterocyclic  
Derivatives of Amides of 1,2-Hydroxynaphthoic Acid, by  
B. S. Portnaya, T. P. Bobkova, 16 pp.

RUSSIAN, per, Trudy Vses Natsch-Issled Kinofoto-  
Instituta, No 40, 1960, pp 106-118.

CIA/PTD XX-1234

NOT RELEASABLE TO FOREIGN NATIONALS

OTS 63-18532

Sci

211,432

Aug 62

USE IN INTERNAL USE ONLY

Zelikman, V. L., Dmitrieva, V. A., and  
Kondrat'eva E. B.

SEDIMENTATION OF PHOTOGRAPHIC EMULSIONS  
USING INCLINED PLATES. 1961, 4p.

Order from CTT 58.03

CTT-61K111

Trans. of Vsesoyuznyi Nauchno-Issledovatel'skii  
Klinofotoinstitut Trudy (USSR) 1961, no. 35,  
p. 54-59.

DESCRIPTORS: \*Photographic emulsions, Sedimenta-  
tion, Photographic plates.

(Materials--Photographic, TT, v. 8, no. 1)

62-12991 Rev.

- I. Zelikman, V. L.
- II. Dmitrieva, V. A.
- III. Kondrat'eva, E. B.
- IV. CTT-61K111
- V. Columbia Technical Trans-  
lations, White Plains, N. Y.

Office of Technical Services

Some Aspects of the Phenomenon of Supersensitization,  
by M. K. Grechko, S. V. Natanson, 40 pp.

RUSSIAN, per, Trudy Vsesoyuzn Nauch Issled  
Kinofotoinst, Vol XLIII, 1961, pp 47-70.

CIA/FDD XX-1456  
No Foreign Dissem

Sci - Physics  
Oct 63  
RUSIB Internal Use Only

Investigation of Metallic Materials Stable in  
Molten Zinc-Base Typographic Alloys, by  
N. I. Moskvina.

RUSSIAN, per, Trudy Vses Nauch Issled I i  
Konstukt Inst Khim Mash, No 34, 1960,  
pp 12-25.

NIL RTS 2013

Sci - Min/Met  
Jun 62

201, 008

Physico-Chemical Changes Taking Place in Meat  
During Storage, by V. Pal'min.

RUSSIAN, per, Trudy Vses Nauch-Issled Inst  
Myasnoi Prom, Vol VII, 1955, pp 3-14.

CSIRO 4014

Sci - Chem  
Aug 62

211, 335

List of Works by the Staff of the All-Union  
Scientific Research Institute of Plant  
Protection Published in 1953 and 1954, ~~by~~

RUSSIAN, per, Vsesoyuzn Nauch Issled Inst Zashch  
Rast. Zhiv., Vol XIV, 1960, pp 207-226.  
9088117

USDA X Tr A-1325

Sci - Biol

203,264

Jun 62



Chibisov, K. V. and Karpova, A. L.  
INVESTIGATION OF THE PHOTOGRAPHIC ACTIVITY  
OF GELATINE. [1963] [17p] 7rels  
Order from OTS, SLA, or ETC \$1.60 TT-64-14777

Trans. of Vsesoyuznyi Nauchno-Issledovatel'skii  
Kinofotoinstitut. (Trudy) (USSR) 1961, no. 42, p. 35-43.

TT-64-14777

I. Chibisov, K. V.  
II. Karpova, A. L.

(Materials--Photographic, TT, v. 11, no. 11)

Office of Technical Services

Sheberstov, V. I.  
INVESTIGATION OF THE ENERGY OF ACTIVATION  
OF THE DEVELOPMENT OF PHOTOGRAPHIC  
LAYERS. 116p 41refs  
Order from OTS, SLA, or ETC \$9.60 TT-64-16546

Trans. of Vsesoyuznyi Nauchno-Issledovatel'skii  
Kinofotoinstitut (USSR) 1961, no. 42, p. 66-123.

(Materials--Photographic, TT, v. 12, no. 3)

TT-64-16546

I. Sheberstov, V. I.

Office of Technical Services

Korzhukov, N. G. and Nazarov, S. Kh.  
MAGNETIC POWDER, TYPE 4, MAGNETIC SOUND  
CARRIERS. [1963] 9p.  
Order from ATS \$12.50                      ATS-28Q70R

Trans. of Vsesoyuznyi Nauchno-Issledovatel'skiy  
Kinofotoinstytut [Trudy] (USSR) 1961, no. 43,  
p. 71-79.

DESCRIPTORS: \*Powders, Magnetic properties,  
\*Magnetic recording systems, Sound reproduction  
systems, Magnetic materials, Magnetic tape.

(Physics--Magnetism, TT,v. 10, no. 9)

63-22164

I. Korzhukov, N. G.  
II. Nazarov, S. K.  
III. ATS-28Q70R  
IV. Associated Technical  
Services, Inc.,  
East Orange, N. J.

Analysis of the Spectral Reflecting  
Properties of Natural Formations With the  
Aim of Selecting the Optimal Zones of  
Sensitization on Light-Sensitive Films,  
by S. M. Solvyev, A. L. Starosel'skiy.  
RUSSIAN, per, Trudy Vsesoy Nauch Issled  
Kino, 1962, pp 104-119.  
\*PIT-HT-66-761

Sci - Mech, Industrial, Civil  
& Marine Engr  
Dec 66

The Dynamics of the Decay of Vegetation  
Remains and Interaction of the Decay Pro-  
ducts with the Forest Soil, by V. S. Shu-  
makov,

RUSSIAN, per, Trudy Vsesoyuznogo Nauchno-  
Issledovatel'skogo Instituta Lesnogo Khoz-  
yaystva, Vol I, 1941, pp 19-128.

\*CISTI TT 67-51384

Sci-Ear Sco  
Nov 66

Effectiveness of Chlorophos and Its Ethyl  
Homolog in Controlling the Larvae of the  
Warble Fly Infesting Reindeer, by D. V. Sa-  
vel'ev and N. P. Mezenov,  
RUSSIAN, per, Trudy Vsesoyuznykh Nauchno-Iss-  
ledovatel'skiy Institut Veterinarnoi Sani-  
tariy, Vol XXIV, 1964, pp 335-338.  
\*CFSTI TT 67-51242

Sci-B&M  
Nov 66

**TEXT**

Proceedings of the All-Union Meteorological  
Conference, by M. I. Budyko.  
RUSSIAN, bk, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya, Leningrad,  
1962, 187 pp.  
NASA TT F-2168

*W.L. 9022.51 1964 (249) on loan*

Sci-Ear Sci & Astron  
Jul 64

262,880

Effect of Thermomagnetic Treatment on Internal  
Friction of Perminvar and 66-Permalloy, by  
F.N. Dumayev, N.S. Malev, et al. 31 pp.  
RUSSIAN, per, Trudy III. Vsesoyuznoy Nauchnoy  
Konferentsii. Relaksatsionnyye Yavleniya v  
Metallakh i Splavakh, 1963, pp 214-220.

FI00282367

FTD-MT-65-262

Sci/Materials  
Nov 67

343,309



Investigation of Regularities of Stress Relaxation, by G.F. Lepin, L.M. Toptunova. 31 pp.  
RUSSIAN, rpt, Trudy III. Vsesoyuznoy Nauchnoy  
Konferentsii. Relaksatsionnyye Yavleniya v  
Metallakh i Splavakh, 1963, pp 290-293.

PI00282367

FTD-MT-6S-262

Sci/Materials

Nov 67

343,311

Relaxation Stability of Certain Iron-Nickel  
Alloys, by S.I. Doroshek, A.M. Tseytlin. 31 pp.  
RUSSIAN, rpt, Trudy III. Vsesoyuznoy Nauchnoy  
Konferentsii. Relaksatsionnyye Yavleniya v  
Metallakh i Splavakh, 1963, pp 326-331.

P100282367

FTD-MT-65-262

Sci/Materials

Nov 67

343,310

The Development of Antifriction Bearing Designs,  
by P. N. Sidorov.

RUSSIAN, per, Vsesoyuznyy Nauchno-Issledovatel'skiy  
i Konstruktoro-Tekhnologicheskii Institut Podship-  
nikovoy Promyshlennosti. Trudy, Issue 3(35), 1963,  
pp 31-39.

\*FTD-HT-23-97-68

Sci-Mech Engr  
Feb 68

RESEARCH IN CLIMATE THEORY, BY L. P. RAKIPOVA,  
13 PP.

RUSSIAN, PER, TRUDY VSES NAUCH METEOROL SOVESH,  
VOL IV, 1962, PP 52-59.

JPRS 20782

SCI - EAR SCI  
AUG 63

342,817

S-13/64

Modern Methods of Climatography and Prospects  
of Its Development, by S. A. Sapozhnikova.  
(DC-10218)

RUSSIAN, bk, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya - Pervogo,  
Vol IV, 1962, pp 65-73.

\*JPRS

Sci - Earth Sci & Astron  
Jan 64

S-13/64

Soviet and Foreign Research on the  
Sun-Troposphere Problem, by B. M. Rabashev.  
(DC-10218)

RUSSIAN, bk, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya - Pervogo, Vol IV,  
1962, pp 252-259.

\*JPRS

Sci - Earth Sci & Astron  
Jan 64

S-13/64

Analysis of Statistical Helioclimatical Relations,  
by O. A. Dorzkov. (DC-10218)

RUSSIAN, bk, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya - Pervogo,  
Vol IV, 1962, pp 259-270.

\*JPRS

Sci - Earth Sci & Astron  
Jan 64

THE USE OF MONOMOLECULAR FILMS FOR DECREASING  
EVAPORATION FROM A WATER SURFACE, BY V. S.  
MAKAROVA, 14 PP.

RUSSIAN, PER, TRUDY VSES NAUCH METEOROL SOVESHCH,  
VOL IV, 1962, PP 460-470.

JPRS 20782

SCI - EAR SCI  
AUG 63

342,8018



S-635/63

Table of Contents, *4M*.

Russian, per, Trudy Vsesoyuznogo Nauchnogo Meteoror-  
ologicheskogo Soveshchaniya (Pervogo), Vol IV, Moscow,  
1962, pp 526-527.

*2*  
\*JPRS/DC-8715

Sci - E. S. & Astr.  
Jul 63

S-1213/63

Table of Contents, by A. M. Okukhova, *3pg*

RUSSIAN, Wk, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya, Vol II, Leningrad,  
1963, pp 241-242.

*2*  
\*JPRS, NY-7976, Special

Sci - E S & Astron  
Dec 63

Yaglom, A. M.  
STATISTICAL METHODS FOR THE EXTRAPOLA-  
TION OF METEOROLOGICAL FIELDS  
N. Friedman, tr. [29p] 43 refs AD-601 752  
Contract DA36 039ac78222  
Order from OTS, SLA, or ETC \$2.60 TT-64-19168

Trans. of moso. [Vsesoyuznoe Nauchnoe  
Meteorologicheskoe Soveshchaniye] (All-Union Scientific  
Meteorological Conference) (no. 2). [Tiflis]  
Leningrad, 1963.

(Earth Sciences--Meteorology, TT, v. 12, no. 6)

TT-64-19168  
Shelved as:  
AD-601 752

I. Yaglom, A. M.  
II. Title: All-Union ...  
III. Brown Univ.,  
Providence, R. I.  
Div. of Applied  
Mathematics  
IV. AD-601 752  
V. Contract DA36  
039ac78222

Office of Technical Services

Concerning the Influence of Mountain Massifs on  
Atmospheric Circulation, by D. A. Drogatsev.  
7 pp.

RUSSIAN, per, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya, Vol 3,  
1963, pp 72-76.

AKR/FTD/MA-24-301-67

Sci/Atmospheric Sci  
Feb 69

375,545

Connection of Fluctuating Conditions of Solar  
Activity and Total Circulation of Terrestrial  
Atmosphere, by M. S. Eygenson, T. L. Mandrykina.  
9 pp.

RUSSIAN, per, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya, Vol 3,  
1963, pp 156-161.

AKR/FTD/MT-24-301-67

Sci/Atmospheric Sci  
Feb 69

375,546

Concerning the Influence Cycles of Solar Activity of Various Duration on Certain Characteristics of Atmospheric Processes, by L. A. Vitel's.  
19 pp.

RUSSIAN, per, Trudy Vsesoyuznoye Nauchnoye  
Meteorologicheskoye Soveshchaniye, Vol 3,  
1963, pp 161-171.

AIR/FTD/14-MT-24-301-67

Sci/Atmospheric Sci  
Feb 69

375,547

Russian

DC

1,729/70  
4 Feb 70

SF

Increasing the Sensitivity of an Aerological  
Radar Receiver by A.G. Gorelik,

book, Trudy Vsesouznogo Nauchnogo Meteorologicheskogo  
Sovesichaniya, Leningrad, 1963, Vol.IX,  
pp 145-153,

Publish ad hoc,  
repro graphics,

book-do not mutilate,

Some Problems in the Theory of the Formation  
of Clouds and Precipitation, by N. S. Shishkin.  
RUSSIAN, per. Trudy Vsesoiunogo Nauchnogo Meteoro-  
Soveshchaniia, Vol 5, 1963, pp 3-9.  
Tr No 18, Sept 1968  
AIR/AFCL/68-0461

Sci-Atmos  
Jan 69

371,924



Large Particles in Clouds, by A. M. Borovikov,  
I. P. Marin, 8 pp.

RUSSIAN, per. Trudy. Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya, Leningrad,

Vol 5, 1963, pp 73-82.

AIR/FTD/AF-24-277-67

Sci-Atmos Sci  
Nov 68

368,205

Increasing the Sensitivity of an Aerological  
Radar Receiver, by A. G. Gorelik,  
V. V. Kostarev, 11 pp.  
RUSSIAN, per, Izudy Vozdukharnogo Nauchnogo  
Meteorologicheskogo Soveshchaniya, Leningrad,  
1963, pp 145-153.  
JPRS 50189

Sci-Elect & Elect Engr  
Apr 70

405,305

Serpinskiy, V. V., Voytkovich, S. A., and  
Lyuboshits, N. Yu.

RESULTS OF DETERMINATION OF PRESSURES OF  
SATURATED VAPOR OF 36 AROMATIC SUBSTANCES  
[1960] 6p. 6 refs.

Order from LC or SLA mi\$1.80, ph\$1.80 61-15096

Trans. of Vsesoyuz[nyy] Nauch[nol]-Issledovatel'skiy  
Inst[itut] Sintet[icheskikh] i Natural'nykh Dushimtykh  
Veshchestv. Trudy (USSR) 1958, v. 4, p. 125ff.

Vapor pressures are given in millimeters or microns  
of Hg with an experimental error of  $\pm 3\%$  for amylcin-  
namic aldehyde (jasmine aldehyde), anisaldehyde  
(aubepine), *n*-acetylanisole, benzyl acetate, benzyl  
benzoate, benzyl alcohol, benzylsalicylate, benzophe-  
none, ethyl vanillin, vanillin, piperonal (heliotropin),  
hydroxycitronellal, isomylealicylate, *n*-isopropyl-  
alpha-methylhydroxycinnamic acid (cyclamen aldehyde),  
isocugenol (mixture of cis- and trans-isomers), indole,  
alpha-ionone, beta-ionone, cinnamyl alcohol, coumarin  
(Chemistry--Organic, TT, v. 5, no. 3) (over)

61-15096

1. Cyclic compounds--Vapor pressure
2. Vapor pressure--Tables
  - I. Serpinskiy, V. V.
  - II. Voytkovich, S. A.
  - III. Lyuboshits, N. Yu.
  - IV. Translations, New York

142,982

Office of Technical Services

The Application of Polarization Methods to Radar  
Studies of Clour and Precipitation, by  
A. G. Shupratskii, S. P. Morgunov.  
RUSSIAN, per, Trudy Vsesoiuznogo Nauchnogo Meteorolo-  
gicheskoi Soveshchaniia, Vol 5, 1963, pp 295-305.  
Tr No 21, Sept 1968  
AIR/AFCRL/68-0483  
NLL Rf: 9021.7(21)

Sci-Atmos  
Jan 69

371,919

Radar Investigation of Dynamic Processes in the  
Atmosphere, by A. G. Gorelik and Iu. V. Mel'nikhuk.  
RUSSIAN, per, Trudy Vsesoiuznogo Nauchnogo Meteoro-  
logicheskogo Soveshchaniia, Tom V. Vol 5, 1963.

pp 318-325. P100100468-V

AFCRL T-R-667

Sci-Atmos Sci  
Jun 68

359.714

Possibilities of Radar Investigation of  
Cloud Structure, by A. M. Borvikov,  
V. V. Kostarev, 13 pp.  
RUSSIAN, per, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya, Vol V,  
1963, pp 325-332, P100064666  
FTD-TT-65-1859

Sci - Earth Sci & Astron  
Nov 66

312,924

S-1215/63

Table of Contents, *11 pp.*

RUSSIAN, Sk, Trudy Vsesoyuznogo Nauchnogo  
Meteorologicheskogo Soveshchaniya, Vols III, V, & VI,  
Leningrad, 1965, pp 353-354, 338-339, & 355-357 resp.

*2*  
#JPRS; DC-10168/Special

Sci E S & Astron  
D c 63

Diffused Light of Daytime Sky, by Ye. M. Feygel'son,  
M. S. Malkovich, 2 pp.

RUSSIAN, per. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,

P 5. P100116268-V

FTD-MT-65-44

Sci/Math Sci  
Jul 68

360,122



On Methods of Investigating and Solving Special Problems on the Transfer of Radiation in an Absorbing and Scattering Medium, by Yu. A. Surinov, 24 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologicheskoye Soveshchaniye. Trudy, Vol 6, 1963, pp 6-25.

F100116268-V

FTD-MT-65-44

Sci/Phys

Jul 68

360,123

On Solving the Transfer Equation for a Two-  
Dimensional Layer, by T. A. Gormogenova, 7 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye, Trudy, Vol 6, 1963,  
pp 25-30. P100116268-V  
FTD-MT-65-44

Sci/Math Sci  
Jul 68

360,124

... by K. S. Shifrin, et al.  
MILISILAN, per. Tudy Vasa March Memorolog  
Sovetsk. Vol VI, 1963, pp 30-44.  
SINILIA T F-272

Sci-Plyu Har Sci & Astron  
Oct 44

Theory of Spectral Fluxes of Shortwave Radiation  
in an Actual Atmosphere, by K. S. Shifrin,  
I. N. Minin, 18 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 30-44. P100116268-V  
FTD-MF-65-44

Sci/Phys  
Jul 68

On Results of a Study of the Depletion of Solar  
Radiation in the Free Atmosphere and the Diurnal  
Variation of the Temperature, by V. G. Kastrov,  
11 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,

pp 45-51. P100116268-V

FTD-MT-65-44

Sci/Phys

Jul 68

360.126

Results of Studying Scattering of Light in the  
Free Atmosphere, by V. F. Belov, 5 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 52-55. P106116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,127

Experimental Proof of I. N. Minin's Theory of  
Oblique Visual Range, by Yu. I. Rabinovich, 6 pp.  
RUSSIAN, per. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 55-60; P100116268-V  
FTD-MT-65-44

Sci/BRM  
Jul 68

360,128

Results of Investigation of Aerosols by  
Optical Methods, by A. G. Laktionov, 13 pp.  
RUSSIAN, per, Trudy Vses Nauch Meteoro  
Soveslch, Vol VI, 1963, pp 60-68. 9697979  
FID-MI-64-367

Sci - Earth Sci & Astron  
#Sept 65

287,620



Basic Results in Investigating the Scattering of  
Light on Individual Particles, by K. S. Shifrin,  
1 p.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Svyeshchaniye. Trudy, Vol 6, 1963,

pp 68-69. P100116268-V

FTD-JET-65-44

Sci/Phys  
Jul 68

360,129

Theory of Transfer of Radiation in Atmosphere  
with the Curvature of the Layers Taken into  
Account, by I. N. Minin, 1 p.  
RUSSIAN, per. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy. Vol 6, 1963,  
p 69. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,130

Scattering of Light in a Medium Bounded by an  
Arbitrary Bottom, by S. D. Gutshabash, 11 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 69-78. P100116268-V  
FTD-MT-65-44

Sci/Math & Equip  
Jul 68

360,131

Experimental Investigation of Scattering of  
Light on Small Nonspherical Particles, by  
P. Kh. Pruss, 9 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sovekhaneniye. Trudy, Vol 6, 1963,  
pp 78-86. F100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,132

The Physical Nature of Twilight, by A. D. Zamorskiy,  
10 pp.

RUSSIAN, per. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Ispytaniye. Trudy, Vol 6, 1963,  
pp 86-91. P100116268-V

FTD-MT-65-44

Sci/Navl, Comm, Det & CM  
Jul 68

360,133

Polarisation of Diffuse Sky Radiation During  
Twilight as an Indicator of an Invasion of Cosmic  
Dust, by G. Dietze, 11 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 92-101. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,134

Transparency of Surface Layer of Atmosphere  
During the Falling of Precipitation, by  
Ye. A. Polyakova, 2 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye, Trudy, Vol 6, 1963,  
pp 101-102. P100116268-V  
FTD-MT-65-44

Sci/Atmos Sci  
Jul 68

360,135

Results of Experimental Research of  
Optical Density of Clouds, by  
G. M. Zabrodskiy, 13 pp.  
RUSSIAN, per, Trudy Vses Nauch Meteor  
Sovetsk, Vol VI, 1963, pp 102-111.  
9697979  
FTD-MT-64-367

Sci - Earth Sci & Astron  
Sept 65

287,621



On Optical Properties of Air Masses of Different  
Origin, by N. I. Nikitinskaya, 10 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sovershaniye. Trudy, Vol 6, 1963,  
pp 111-118. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,136

Certain Data on the Distribution of Energy in  
Spectrum of the Daytime Sky, by P. N. Boyko, 20 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 118-122. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,137

Measurement of Scatter Indicatives at Low  
Scatter Angles, by T. P. Toropova, V. Ye. Pavlov,  
9 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Ispytaniye. Trudy, Vol 6, 1963,  
pp 122-130. F100116268-V  
FTD-MT-65-144

Sci/Energy Conv  
Jul 68

360,138

The Meteorological Aspect of the Polarization of  
Diffuse Sky Radiation, by D. G. Stamov, 8 pp.  
RUSSIAN, per, Yessoyuzhnoye Nauchnoye Meteorologi-  
cheskoye Soveshechaniye, Trudy, Vol 6, 1963,  
pp 130-136. P100116268-V  
FTD-MT-65-44

Sci/Atmos Sci  
Jul 68

360,139

Certain Problems in Actinometry in the Free  
Atmosphere, by K. Ya. Kondrat'yuv, 19 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sovershaniye. Trudy, Vol 6, 1963,  
pp 137-151. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360.140

Calculations of the Thermal Radiation of a  
Spherical Earth, by M. S. Malkovich, L. I. Yurkova,  
1 p.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 151-152. P100116268-V  
FTD-REF-65-44

Sci/Phys  
Jul 68

360,141

Radiation Fluxes in the Free Atmosphere, by  
Ye. A. Loyukhin, 9 pp.

RUSSIAN, per. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sveshchaniye, Trudy, Vol 6, 1963,  
pp 152-158. F100116268-V

FTD-HT-65-144

Sci/Phys  
Jul 68

360,142

Radiant Flux of Heat and Thermal Regime of the  
Surface Layer of the Atmosphere, by  
G. N. Gayuvskaya, K. Ya. Kondrat'yev, 16 pp.  
RUSSIAN, per. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye, Trudy, Vol 6, 1963,  
pp 158-169. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,143



On the Question of the Thermal Radiation of the  
Atmosphere, by Kh. Yu. Niylik, 15 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sovershaniye. Trudy, Vol 6, 1963,  
pp 170-185. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,144

Measurement of Solar Radiation Spectra in the  
1-3.5 Region and the Determination of Atmospheric  
Humidity at Heights Up to 15 km, by

D. S. Kaperant, 1 p.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 185-186. P100116268-V

FTD-MT-65-44

Sci/Astron & Astrophy

Jul 68

360.145

Experimental Investigation of the Integral  
Transmission Function. I. Postulation of the  
Problem and Bases for the Method of Measurements,  
by A. M. Bronghteyn, 13 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sovekhaneye. Trudy, Vol 6, 1963,  
pp 186-194. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360.146

An Experimental Investigation of the Integral  
Transmission Function. II. Telescopic Radic-  
meter, by A. M. Brounshteyn, 11 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 195-203. P100116258-V  
FTD-MT-65-144

Sci/Phys  
Jul 68

360,147

Calculating the Integral Functions of Absorption  
of Long-Wave Radiation in the Atmosphere, by  
V. Ye. Zuyev, 8 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sveshcheniye. Trudy, Vol 6, 1963,  
pp 203-209. P100116268-V  
FTD-MT-65-144

Sci/Phys  
Jul 68

360,148

Contemporary State of the Opinion of a Natural  
Landscape, by V. V. Sharonov, 14 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sovershaniye. Trudy, Vol 6, 1963,  
pp 210-221. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,149

Contemporary Methods of Studying the Spectral  
Reflectance of Diffusely Scattering Surfaces,  
by L. B. Krasil'shchikov, 9 pp.  
RUSSIAN, par, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Spveshchaniye. Trudy, Vol 6, 1963,  
pp 221-227. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360.150

Investigation of the Spectral Reflectance of  
Natural Objects, by K. S. Lyalikov, A. Ya. Smirnov,

2 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soversheniye. Trudy, Vol 6, 1963,

p 228.

P100116268-V

FTD-MT-65-44

Sci/Phys  
Jul 68

360,151



On the Emissivity of a Water Surface, by  
Ye. P. Novosel'tsev, 5 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sovekhaneye, Trudy, Vol 6, 1963,  
pp 228-232. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,152

Spectral Investigations of Ultraviolet Solar  
Radiation, by S. F. Rodionov, A. L. Osherovich,  
15 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Sotveshcheniye. Trudy, Vol 6, 1963,

pp 233-244. P100116268-V

FTD-JT-65-44

Sci/Astron & Astrophys

Jul 68

360,153

The Question Concerning the Ultraviolet Climate  
of the USSR, by V. A. Belinskiy, M. P. Garadzha,  
10 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 244-253. P100116268-V

FTD-HT-65-44

Sci/Atmos Sci  
Jul 68

360,154

Visibility in the Atmosphere, by O. D. Barteneva,  
N. G. Boldyrev, 11 pp.  
RUSSIAN, par, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 253-260. F100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,155

The Status of Measuring Meteorological Visibility  
in the Network of Higher Order Hydrometeorological  
Stations, by V. A. Gavrilov, 12 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soversheniye. Trudy, Vol 6, 1963,

pp 260-269.

P100116268-V

FTD-MR-65-44

Sci/Phys  
Jul 68

360,156

Visibility of Flashing Lights, by A. V. Luizov,  
2 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 269-270. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,157

Detection of Flashing Lights During a Search  
Operation, by A. A. Ditylev, 2 pp.  
RUSSIAN, par. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 270-271. P100116268-V  
PTD-MT-65-44

Sci/Phys  
Jul 68

360,158

Objective Measurements of the Meteorological  
Range, by V. I. Goryshin, 2 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 271-272. P100116268-V  
FTD-MI-65-44

Sci/Phys  
Jul 68

360,159



Certain Results of Comparing Pyrheliometers  
Used in the USSR, by Yu. D. Yanishevskiy, 10 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologicheskoye  
Soyezheniye. Trudy, Vol. 6, 1963,  
pp 272-279. P100116268-V  
FTD-HT-65-44

Sol/Phys  
Jul 68

350,160

Certain Results in Comparing Kurvuz'ye, Schultse  
and Yanishovski Balance Meters, by  
Yu. K. Ross, M. A. Sulev, 13 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye, Trudy, Vol 6, 1963,  
pp 280-290. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,161

On Calculating the Heat Transfer of Balance  
Meter-III, by E. L. Podol'skaya, 17 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 290-302. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

30,162

Investigation of Spectral Composition of Short-  
wave Radiation, by K. Ya. Kondrat'yev,  
M. P. Burgova, 11 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 302-312. P100116268-V  
FTD-MET-65-44

Sci/Astron & Astrophys

Jul 68

360.163

Apparatus for Investigating the Transmissivity  
of Solar Radiation in the Infrared Region of the  
Spectrum in an Optical Thickness, by  
I. Ya. Bedinov, A. Ye. Kovalev, 10 pp.  
RUSSIAN, per. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soversheniye, Trudy, Vol 6, 1963,  
pp 312-321. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360.164

On Laws Governing the Diurnal and Annual Variation  
of the Radiation Balance of the Underlying Surface  
and its Components, by N. I. Goyss, 13 pp.  
RUSSIAN, par, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 322-332. P100116268-V  
FTD-MFR-65-44

Sci/Atmos Sci  
Jul. 68

360,165

Meteorological Solar Constant, by S. I. Sivkov,  
11 pp.  
RUSSIAN, par, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 332-339. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,166

On the Theory of Solar Radiation Transfer in  
the Atmosphere when a Cloud Cover and Fog are  
Present, by M. Ye. Berlyand, Ye. P. Novosel'tsev,  
9 pp.

RUSSIAN, per. Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy. Vol 6, 1963,

pp 339-346. P100116268-V

FTD-MT-65-144

Sci/Phys

Jul 68

360-167



On the Question of Penetration of Radiation  
into Snow, Firn, and Ice on the Fedchenko  
Glacier, by B. P. Karol<sup>1</sup>, 8 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 346-351. F100116268-V  
FTD-HT-65-44

Sci/Phys  
Jul 68

360,168

Radiation Balance of Lake Baykal, by  
V. I. Verholov, 10 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soveshchaniye. Trudy. Vol 6, 1963,  
pp 351-358. P100116268-V  
FTD-REF-65-44

Sci/Phys  
Jul 68

360,169

Effective Radiation in European USSR, its Annual  
Distribution Year-to-Year Variability, by  
N. A. Danilova, 9 pp.  
RUSSIAN, par. Vsesoyuznoye Nauchnoye Meteorologiki-  
chenkoye Sveshcheniye, Trudy, Vol 6, 1963,  
pp 358-365. P100116268-V  
FTD-MT-65-44

Sci/Phys  
Jul 68

360,170

Radiation Climate of the Arctic, by M. K. Gavrilov,  
3 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Svyeshchaniye, Trudy, Vol 6, 1963,

pp 365-366, P100116268-V

FTD-MT-65-44

Sci/Atmos Sci  
Jul 68

360,171

Regime of Global Radiation in Lithuanian SSR,  
by M. A. Kaushila, 8 pp.  
RUSSIAN, per, Vsesoyuznoye Nauchnoye Metsorologi-  
cheskoye Soveshchaniye. Trudy, Vol 6, 1963,  
pp 367-373, P100116268-V  
FTD-MF-65-44

Sci/Phys  
Jul 68

360,172

Global Solar Radiation in Areas of the Omsk  
and Tyumen Regions, by R. Ye. Borichevskiy,  
E. I. Gayevskiy, 10 pp.

RUSSIAN, per, Vsesoyuznoye Nauchnoye Meteorologi-  
cheskoye Soversheniye, Trudy, Vol 6, 1963,  
pp 373-385. F100116268-V  
FTD-INT-65-44

Sol/Phys  
Jul 68

360,173

Transactions of the All-Union Scientific  
Meteorological Conference (Selected  
Articles), 151p.

RUSSIAN, per, Trudy, Vsesoyuznogo Nauchnoe  
Meteorologicheskoe Soveshchaniya, Vol 7,  
1963, pp 3-72, 154-70, 205-15.  
CPBTI AD-628,302

332, 234

Sci  
Jul 67

The Diurnal Variation of Absolute Humidity  
in the Surface Boundary Layer of the  
Atmosphere, by V. P. Gracova, L. I. Solomatina.  
RUSSIAN, per, Trudy Vses. Nauch. Meteorolog.  
Soveta, Vol 7, 1963, pp 108-116.  
NII Ref: 9022.55B 1966 (F 133)

Sci-E Sci  
Aug 66

309,153



All-Union Scientific Meteorological Conference.  
Transactions. Physics of the Ground Layer.  
RUSSIAN, per, Trudy Vsesoyuznoye Nauchnoye  
Meteorologicheskoye Soveshchaniye. Fizika Prizemn-  
ogo Sloya, Vol VII, 1963, pp 3-10, 10-20, 21, 37,  
37-45, 45-51, 52-57, 57-63, 63-72, 154-160, &  
205-215.  
\*FTD-MT-64-296

Sci - Earth Sci & Astr  
Jul 64

Table of Contents, by D. L. Lavkhina: *2 p.*

RUSSIAN, rpt, Trudy Vses Nauch Meteorol Soveshch,  
Vol VII, 1953, pp 319-320.

*2*  
\*JPRS/SPECIAL/NY-7985

Sci-Earth Sci & Astron  
Jan 64.

Table of Contents, by I. A. Goltsberg. *5/8*

RUSSIAN, rpt, Trydy Vses Nauch Meteorol Soveshch,  
Vol VIII, 1963, pp 305-307.

*2*  
\*JPRS/SPECIAL/NY-7985

Sci-Earth Sci & Astron  
Jan 64.

Apparatus for Study of the Statistical  
Characteristics of a Radar Echo, by

A. G. Gorelik.

RUSSIAN, per, Trudy Vsesoy Nauch  
Meteorolog Sovesh, Vol IX, 1963,

pp 161-166.

\*ACSI I-8600

ID 2204054165

Sci - Elec

Jan 66